

Title (en)  
Video-signal output apparatus and video-signal input apparatus

Title (de)  
Bildsignalausgabegerät und Bildsignaleingabegerät

Title (fr)  
Appareil de sortie de signaux vidéo et appareil d'entrée de signaux vidéo

Publication  
**EP 1052852 A2 20001115 (EN)**

Application  
**EP 00304011 A 20000512**

Priority  
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Abstract (en)  
A video-signal output apparatus performs scrambling, and a video-signal input apparatus performs descrambling. The scrambling and the descrambling are performed so that signal lines are shifted for each period corresponding to one horizontal scanning interval of analog component video signals which corresponds to a horizontal scanning period or for each period which is n times one horizontal scanning period (where n represents a natural number not less than 2). The signal lines are also shifted with timing in a horizontal blanking period of the analog component video signals. When authorization is established as a result of mutual communication between the output apparatus and the input apparatus, scramble and descramble patterns each are determined based on mutually obtained information in the mutual communication. <IMAGE> <IMAGE> <IMAGE>

IPC 1-7  
**H04N 7/169**

IPC 8 full level  
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